



# Remote Sensing Applications Division (RSAD)

## CDR Program Office

Weekly Report for Jan 24, 2014  
Ed Kearns, Acting Chief

	CDR	PI TM	Assessment		Deliver Drafts						Review and Provide Feedback						Deliver Final Versions						Misc		Archive			Release		
			Assemble IPT	Perform Assessment	Deliver source code sample and README draft	Deliver Flow Diagram Draft	Deliver C-ATBD Draft	Deliver Maturity Matrix Draft	Deliver Sample netCDF dataset	Deliver SA Draft	Provide feedback on source code and README	Provide feedback on Flow Diagram Draft	Provide feedback on C-ATBD Draft	Provide feedback on Maturity Matrix Draft	Provide feedback on Sample netCDF dataset	Provide feedback on SA Draft	Deliver final source code and README	Deliver final Flow Diagram	Deliver final C-ATBD	Deliver final Maturity Matrix	Deliver final netCDF dataset	Deliver final SA	Create Collection Level Metatdata	Conduct Security Review	Archive Code Package	Archive Docs	Archive Data	Make data publicly available	Put data, docs, and code on dev web page	Conduct ORR
1	AMSU-A FCDR (CH7 GPSRO)	Ho Shi	x	x	x	22-Jul	28-Jun	22-Jul	x	4-Sep	x	26-Jul	11-Jul	26-Jul	x	9-Sep	23-Aug	5-Aug	27-Aug	5-Aug	13-Sep	10-Sep	11-Sep	27-Aug	17-Sep	17-Sep	17-Sep	20-Sep	24-Sep	7-Nov
2	Banded Sea Winds	Zhang Zhang	x	29-Aug	NOT MATURE		19-Aug						4-Sep																	FY14
3	MSU TCDR	Zou Semunegus	x	IP 23-Dec						ATRAC																				FY14
4,5	Cloud/ Moisture Bundle (CTP, TPW)	Menzel Young	x	31-Jan	1-Oct	5-Aug	15-May	5-Aug	21-Oct	ATRAC 10 yr	29-Oct	29-Oct	29-Oct							NCDC creating										FY14
6,7,8	Ocean Surface (SST, Sfc Props, Heat Flux)	Clayson Zhang	x	21-Feb	12-Dec	Jan	Jan	19-Feb	25-Nov	ATRAC	16-Dec				13-Dec															May 2014
9	ISCCP	Rossow Knapp	x	17-Jan																										FY14
10	OLR Daily	HT Lee Shreck	x	x	May	6-Jan	Apr	11-Jan	Feb			10-Jan		14-Jan				15-Jan		15-Jan										Mar 2014
11,12 13	Vegetation (Sfc Ref, NDVI) (LAI/FPAR)	Vermote Matthews	x	17-Jan	22-May 24-Jun	2-Jul	26-Jul	7-May	22-May 24-Jun	6-Nov	29-May	9-Jul	22-Aug	6-Nov	31-May -Nov	8-Nov		1-Nov	19-Nov			12-Nov		6-Nov						Apr 2014
14	MSU/AMSU Temp Suite	Ho Shi	x	PI requested 1 yr ext																										FY14
15,16	AVHRR FCDR (5 CHs, Cloud Properties)	Minnis Young	x																	60 TB					60 TB					Mar 2014
17,18	Cryosphere (APP FCDR) (APP-x TCDR)	Key Young	13-Jun	IP 20-Dec					20-Dec																					Jun 2014
19	AVHRR FCDR (Ch 3b-4-5)	Mittaz Banzon		PI moving to UK	30-Sep		30-Sep																							FY14
20	Stratospheric (Ozone)	Rosenlof Young	x	x					30-Oct	ATRAC																				FY14
21	Solar Irradiance (Oservational)	Pilewski Inamdar	x	Funding started Dec																										FY14
22	IIRT Sea Ice Concentration	Fetterer Peng	x	Funding started Dec																										FY15
23	CMORPH	Xie Prat	x																											FY14
24	Cloud Properties	Heidinger Knapp	x	x	x	x	Jan	11-Jan	x	Jan	x	x		14-Jan	x		Jan	x		16-Jan	Feb									Feb 2014
25	Solar Irradiance (Composite)	Lean Inamdar	x	Funding started Dec																										FY14



	CDR	PI	TM	Assessment		Deliver Drafts				Review and Provide Feedback						Deliver Final Versions						Misc		Archive			Release					
				Assemble IPT	Perform Assessment	Deliver source code sample and README draft	Deliver Flow Diagram Draft	Deliver C-ATBD Draft	Deliver Maturity Matrix Draft	Deliver Sample netCDF dataset	Deliver SA Draft	Provide feedback on source code and README	Provide feedback on Flow Diagram Draft	Provide feedback on C-ATBD Draft	Provide feedback on Maturity Matrix Draft	Provide feedback on Sample netCDF dataset	Provide feedback on SA Draft	Deliver final source code and README	Deliver final Flow Diagram	Deliver final C-ATBD	Deliver final Maturity Matrix	Deliver final netCDF dataset	Deliver final SA	Create Collection Level Metadata	Conduct Security Review	Archive Code Package	Archive Docs	Archive Data	Make data publicly available	Put data, docs, and code on dev web page	Conduct ORR	
1	AMSU-A FCDR (CH7 GPSRO)	Ho Shi		1)	Complete	22-Jul	28-Jan	22-Jul	x	4-Sep	x	28-Jul	11-Jul	28-Jul	x	8-Sep	22-Aug	5-Aug	27-Aug	8-Aug	12-Sep	19-Sep	11-Sep	27-Aug	17-Sep	17-Sep	17-Sep	20-Sep	24-Sep		7-Nov	
2	Banded Sea Winds	Zhang Zhang		2)	On Hold – PI on higher priority task									4-Sep																	FY14	
3	MSU TCDR	Zou Semunegus		3)	Received Imp Plan, PI has draft docs and code ready for review, ATRACS submission completed; IPT being coordinated																										FY14	
4,5	Cloud/ Moisture Bundle (CTP, TPW)	Menzel Young		4,5)	PI will send 10 yrs of data, ATRAC complete, IT requesting sftp again; Sent feedback on TPW C-ATBD and README																										FY14	
6,7,8	Ocean Surface (SST, Sfc Props, Heat Flux)	Clayson Zhang		6-8)	Had IPT meeting, received source code and netCDF samples, PI working on ATRACS and C-ATBDs; next telecon 1/13																										May 2014	
9	ISCCP	Rossow Knapp		9)		17-Jan																										FY14
10	OLR Daily	HT Lee Shreck		10)	Received final Flow Diagram and MM							10-Jan		14-Jan				15-Jan		15-Jan												Mar 2014
11,12,13	Vegetation (Sfc Ref, NDVI) (LAI/FPAR)	Vermote Matthews		11-13)	PI working on QA of dataset, ORR slipped to Apr/Sep; IT agreed to remove sftp requirement for data pull; IPT sched 1/17																										Apr 2014	
14	MSU/AMSU Temp Suite	Ho Shi		14)	PI requested 1 yr																											FY14
15,16	AVHRR FCDR (5 CHs, Cloud Properties)	Minnis Young		15,16)	60TB dataset																	60 TB					60 TB					Mar 2014
17,18	Cryosphere (APP FCDR) (APP-x TCDR)	Key Young		17,18)	Received Imp Plan; PI working on C-ATBD over break; Sample netCDF file posted on ftp for pull and review																										Jun 2014	
19	AVHRR FCDR (Ch 3b-4-5)	Mittaz Banzon		19)	PI lost C-ATBD, will resume work on rebuilding it after he is relocated to UK																											FY14
20	Stratospheric (Ozone)	Rosenlof Young		20)	PI sent netCDF sample file	30-Oct				ATRAC																						FY14
21	Solar Irradiance (Observational)	Pilewski Inamdar		21)	PI Received funding; PI working on Imp Plan	Funding started Dec																										FY14
22	NRT Sea Ice Concentration	Fetterer Peng		22)	CIRES money in place; PI says there are NO deliverables with a grant, will need to monitor closely	Funding started Dec																										FY15
23	CMORPH	Xie Prat		23)	Reprioritized to start work in FY14																											FY14
24	Cloud Properties	Heidinger Knapp		24)	DSRR needed in Jan, still ironing out a few metadata items; received final MM; should be ready to archive in Feb																											Feb 2014
25	Solar Irradiance (Composite)	Lean Inamdar		25)	PI Received funding; PI working on Imp Plan	Funding started Dec																										FY14



# SCHEDULE OF DELIVERABLES - CDRP 2013 O&M Contracts and Grants

CDR	Imp Pln	QA Proc	Up-to-date with Data deliveries	QA Results	IP Lic.	CDRP action required?
UAH MSU			not public			
Pathfinder SST			data thru 2012/not monthly			CH - continue monitoring CR/ review Implementation Plan
PATMOS-x			Currently undergoing CR			CH - continue monitoring CR
AMSU-A ch7						
AMSU-A ch9						
GridSat B1	N/A	N/A	Currently undergoing CR	N/A	N/A	CH - continue monitoring CR
CSU SSMI(S)						
Monthly OLR			was not funded FY12 for O&M	not in WA		CH - monitor progress with SA update to extend the POR and make operational
RSS MSU				not in WA		
Sea Ice Conc.						
Snow Cover Extent (NH)						
HIRS Ch12	N/A	N/A	Currently undergoing CR	N/A	N/A	CCB scheduled 1/27/14
PERSIANN						Incident team working towards resolution with PI
RSS SSMI(S)				not in WA		
AOT	N/A	N/A	Currently undergoing CR	N/A	N/A	CH - continue monitoring CR
AMSU Chs 4-14						



# CDR Program Office

## NPP/JPSS Climate Raw Data Records (C-RDRs) Project

### Weekly Report – January 24, 2014

#### VIIRS

①

- Completed code for C-RDR.

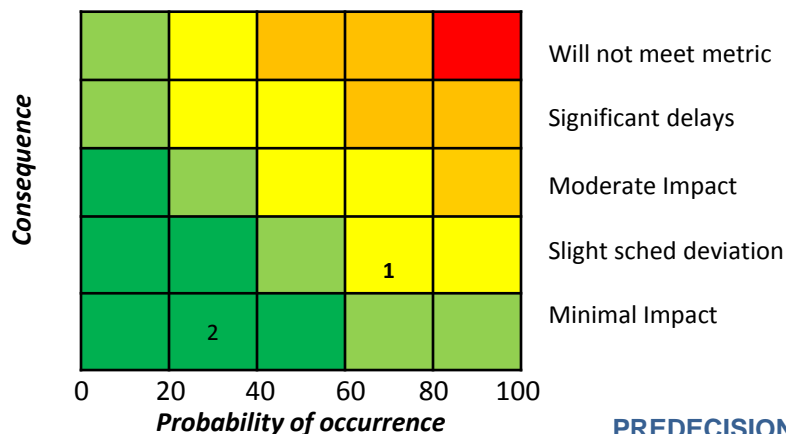
②

#### System Infrastructure

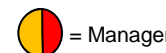
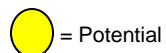
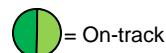
- Integrating with the VIIRS C-RDR.
- Resolving backlog of RDR issues.
- Enhancing infrastructure to better identify RDR issues.
- Working to generate a current supporting data file.
- VIIRS C-RDRs are operational and accessible via HAS.
- Collection level metadata available on Climate.gov and DOI.org.
- Completed build of C-RDR on the TEST container.
- Evaluating JPSS support data Change Requests and their effects.
- C-RDR is first product moving to three tier environment.
- Initial verification of SDR from C-RDR compared successfully.
- VIIRS Product Specification is ITAR approved.
- C-RDR access via HAS (two years of tapes for HDSS).
- Integrating: Ingest data from CLASS and producing C-RDRs.
- Will deliver initial version with ADL 3.1.

C-RDR Project	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY
Milestones							▲		▲▲								
Finalize Code																	
TEST																	
Dry Runs																	
SAT																	
OPERATIONS																	
Prepare OPS																	
Operations																	
Write SOP																	
Write OAD																	
CR: Support Data																	

### Risk Matrix



PREDECISIONAL DRAFT INFORMATION



= On-track = Potential management action required = Management attention required

### Risk and Mitigation

#### VIIRS –

Operational software is under maintenance, updated versions may affect C-RDR ported version. Will affect Supporting Data Files but should not affect C-RDR.

#### System Infrastructure –

Reliability of NPP RDRs from CLASS via subscription. Need to develop an automated mechanism for re-requesting data.



# CDR Program Office

## OISST Research to Operations Project

### Weekly Report – January 24, 2014

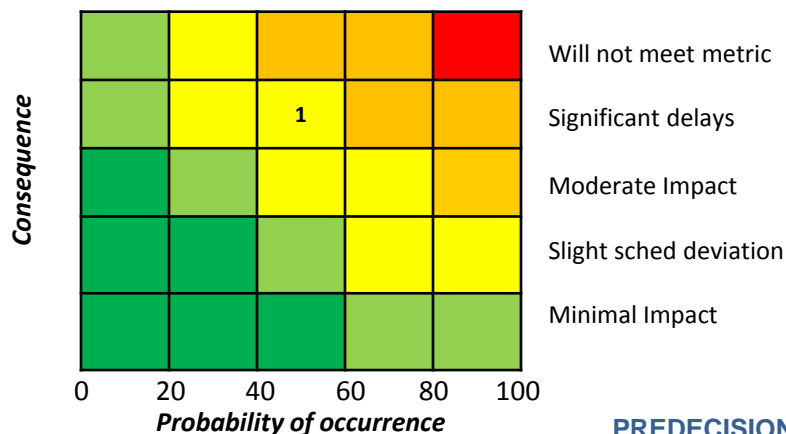
#### 1 OISST – Optimum Interpolated Sea Surface Temperature

- Testing start scripts.
- Preparing test data for System Acceptance Test.
- Scheduling with ITB for 3 tier environment.
- Updated schedule but end date did not change.
- Successfully completed 30 day parallel test.
- Comparing NCDC GTS with NCEP ship/buoy data for use. GCAD is resolving issues but requires new operational code.
- AVHRR data for the 15 day delay product is available from CLASS.
- Running test data and code on Rainband for parallel test.
- GSTWG discussing inputs and production of preliminary OISST.
- Created a SOP for operational OISST.
- Completed refactoring of each component.
- Conducted Technology Assessment Review July 25.

Operations:

OISST Project	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY
Milestones																	
Parallel Test																	
Identify Inputs Compare & Code																	
SA & Ingest																	
Update Outputs																	
Update Scripts																	
Obtain data																	
Reprocess																	
OAD																	
TEST																	
Dry Runs																	
SAT																	
OPS																	

### Risk Matrix

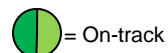


### Risk and Mitigation

1 Time to progress through the three tier environment. ITB support is required.

PREDECISIONAL DRAFT INFORMATION

2/3/2014



= On-track



= Potential management action required



= Management attention required